

What is claimed is:

1. An appliance for dispensing scents having an aroma store, a control unit for controlling the aroma store, and a discharge unit for generating and discharging a scent/aroma cloud from the aroma store, wherein the appliance is embodied as a miniaturized mobile unit to be worn on the body or to be disposed in close vicinity to the user, and the discharge unit discharges the controlled scent substances stored in the appliance by means of direct discharge—in other words, without the assistance of a carrier gas.
2. The appliance of claim 1, wherein the discharge unit discharges the controlled scent substances stored in the appliance directly into the ambient air—in other words without exposing appliance components thereto.
3. The appliance of claim 1 or 2, wherein the discharge unit discharges the controlled scent substances stored in the appliance in sync with the user's respiratory process.
4. The appliance of one of claims 1 to 3, wherein the aroma store is embodied as a microchip that can be controlled by the control unit or as a chip card (scent chip) having scent substance storage locations.
5. The appliance of claim 4, wherein the scent chip having the scent substance storage locations is embodied as a replaceable part.
6. The appliance of claim 5, wherein the scent chip has a carrier in or on which the scent substances are disposed in the form of liquids, gels, gases, or solids.
7. The appliance of claim 5, wherein the scent chip has a carrier with an arrangement of porous substances in or on which the scent substances are attached in the form of liquids, gels, or solid deposits.

8. The appliance of claim 5, wherein the scent chip has a carrier with an arrangement of microtanks that hold the scent substances in liquid, gel, or gaseous form and that are covered by a protective layer.

9. The appliance of claims 6 to 8, wherein a reagent is assigned to the scent substance storage locations in order to initiate a reaction, for example an exothermic reaction, under defined conditions.

10. The appliance of one of claims 4 to 9, wherein in the appliance one element that can be controlled by the control unit and that is used to discharge scent substance is assigned to each scent substance storage location.

11. The appliance of claim 10, wherein in the appliance one element that can be controlled by the control unit and that is used to discharge scent substance by thermal and/or electrochemical means is assigned to each scent substance storage location.

12. The appliance of claim 10 in combination with claim 8, wherein in the appliance one element that can be controlled by the control unit and that is used to break open the microtank is assigned to each scent substance storage location.

13. The appliance of claim 10 in combination with claim 9, wherein in the appliance one element that can be controlled by the control unit and that is used to establish the defined conditions for the reagent is assigned to each scent substance storage location.

14. The appliance of one of claims 1-3, wherein the scent substances are stored in liquid form in an aroma reservoir cartridge, and the discharge unit discharges the stored scent substances by mean of a micrometering pump.

15. The appliance of claim 14, wherein a micrometering pump utilizing piezoelectric actuators is provided.

16. The appliance of claim 14, wherein a micrometering pump utilizing thermal actuators is provided.

17. The appliance of one of claims 1-3, wherein the scent substances are stored in liquid or gaseous form in the aroma store, and the discharge unit discharges gaseous aroma concentrate using a piezo valve controller.

18. The appliance of one of claims 14-17, wherein the discharge unit has a device for atomizing and/or vaporizing the discharged scent substances.

19. The appliance of claim 18, wherein the discharge unit has a mechanical atomizing nozzle.

20. The appliance of claim 18, wherein the discharge unit is equipped with an ultrasonic atomizing device.

21. The appliance of claim 18, wherein the discharge unit is equipped with an electrostatic atomizing device.

22. The appliance of claim 18, wherein a microheating element for vaporizing the discharged scent substances is assigned to the discharge unit.

23. The appliance of claim 18, wherein a microwave unit for vaporizing the discharged scent substances is assigned to the discharge unit.

24. The appliance of one of the above claims, wherein a receiving module for external control by means of a signal-generating unit or timer unit is assigned to the control unit.

25. The appliance of one of the above claims,

characterized by a small blower to assist the upward movement of the discharged scent or aroma cloud that occurs due to natural convention (body heat).

26. The appliance of one of the above claims, characterized by a heater to enhance the discharged scent or aroma cloud.

27. An aroma store (scent chip) used in particular with an appliance to discharge scents as recited in one of claims 1 to 13, characterized by a carrier (20) in or on which the scent substances are disposed in liquid, gel, gaseous or solid form.

28. The aroma store (scent chip) of claim 27, characterized by an arrangement of porous substances (21) in or on which the scent substances are attached in the form of a liquid, gel, or solid deposits.

29. The aroma store (scent chip) of claim 28, characterized by a carrier (20) in the form of a resin/plastic or cardboard sheet having an arrangement of depressions/holes holding the porous substances (21).

30. The aroma store (scent chip) of claim 29, characterized by a metal or metal vapor-deposited plastic shell (20', 20'') that insulates the porous substance (21) from the carrier material (20).

31. The aroma store (scent chip) of claim 30, characterized by an electrical insulating layer on the underside of the carrier sheet (20).

32. The aroma store (scent chip) of claim 29, wherein the porous substances are embedded in a silicon on plastic resin compound.

33. The aroma store (scent chip) of one of claims 28 to

32, wherein the scent substance-saturated porous substances (21) are sealed on their upper side, for example by means of a wax.

34. The aroma store (scent chip) of claim 27 characterized by an arrangement of microtanks in which the scent substances are held in liquid, gel or gaseous form and by a protective layer that seals the microtanks.

35. The aroma store (scent chip) of one of claims 27 to 34, wherein a reagent is assigned to the arrangement of scent substances to initiate a reaction, for example an exothermic reaction, under defined conditions.

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